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jc996 U.S. PTO

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PTO/SB/05 (08-00) (modified)  
Approved for use through 9/30/2001, OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

<b>NEW UTILITY PATENT APPLICATION TRANSMITTAL</b> <i>(only for new nonprovisional applications under 37 CFR 1.53(b))</i>	<b>Attorney Docket Number</b>	21192-06625
	<b>First Named Inventor</b>	Tommy K. Eng
	<b>Title</b>	CREATING OPTIMIZED PHYSICAL IMPLEMENTATIONS FROM HIGH-LEVEL DESCRIPTIONS OF ELECTRONIC DESIGN USING PLACEMENT-BASED INFORMATION
	<b>Express Mail Label No.</b>	EL734639304US

J1040 U.S. PTO  
10/040852  
12/28/01

APPLICATION ELEMENTS	ACCOMPANYING APPLICATION PARTS
<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate)</p> <p>2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p> <p>3. <input checked="" type="checkbox"/> Specification <span style="float: right;">Total Pages <span style="border: 1px solid black; padding: 0 10px;">46</span></span> <i>(preferred arrangement set forth below)</i></p> <ul style="list-style-type: none"><li><input checked="" type="checkbox"/> Descriptive Title of the Invention</li><li><input checked="" type="checkbox"/> Cross Reference(s) to Related Case(s)</li><li><input checked="" type="checkbox"/> Statement Regarding Fed sponsored R &amp; D</li><li><input checked="" type="checkbox"/> Background of the Invention</li><li><input checked="" type="checkbox"/> Brief Summary of the Invention</li><li><input checked="" type="checkbox"/> Brief Description of the Drawing(s)</li><li><input checked="" type="checkbox"/> Detailed Description</li><li><input checked="" type="checkbox"/> Claim or Claims</li><li><input checked="" type="checkbox"/> Abstract of the Disclosure</li></ul> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) <span style="float: right;">Total Sheets <span style="border: 1px solid black; padding: 0 10px;">14</span></span></p> <p>5. Oath or Declaration</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> New Declaration <span style="float: right;">Total Pages <span style="border: 1px solid black; padding: 0 10px;">2</span></span> <span style="margin-left: 40px;"><input type="checkbox"/> Executed (original or copy)</span></p> <p style="margin-left: 20px;">b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 18 completed)</i></p> <p style="margin-left: 40px;">i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p>6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p>	<p>7. <input type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</p> <p>8. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i></p> <p>9. <input type="checkbox"/> Power of Attorney or Authorization of Agent</p> <p>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement</p> <p>11. <input type="checkbox"/> Preliminary Amendment</p> <p>12. <input type="checkbox"/> Information Disclosure Statement &amp; PTO-1449 <span style="margin-left: 40px;"><input type="checkbox"/> Copies of IDS Citation(s)</span></p> <p>13. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent</p> <p>14. <input checked="" type="checkbox"/> Return Postcard</p> <p>15. <input type="checkbox"/> _____</p> <p>16. <input type="checkbox"/> _____</p> <p>17. <input type="checkbox"/> _____</p>

**ADDRESS TO:**  
**Box Patent Application**  
**Commissioner for Patents**  
**Washington, DC 20231**

18. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information below and in a preliminary amendment or in an Application Data Sheet under 37 CFR 1.76:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: 09/634,927

Prior application information: Examiner: Thuan V. Do Group/Art Unit: 2825

**For CONTINUATION OR DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuing or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

<input checked="" type="checkbox"/> Customer Number and Bar Code Label	 <span style="font-size: 2em; font-weight: bold;">00758</span>
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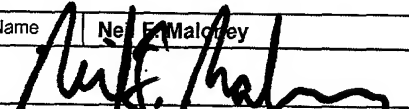
Name (Print/Type)	Neil F. Maloney	Registration No. (Attorney/Agent)	42,833
Signature		Date	December 28, 2001

0002/PTO(modified) Rev. 10/2000	U.S. Department of Commerce Patent and Trademark Office	<b>Complete if Known</b>	
<b>FEE TRANSMITTAL</b>  <b>TOTAL AMOUNT OF PAYMENT</b> Subtotal (1) + Subtotal (2) + Subtotal (3) = <b>(\$ 370.00)</b>		Application Number	NEW
		Filing Date	HEREWITH
		First Named Inventor	Tommy K. Eng
		Group Art Unit	2825
		Examiner Name	Thuan V. Do
		Attorney Docket Number	21192-06625

METHOD OF PAYMENT	FEE CALCULATION (continued)																																																																																								
<b>1. The Commissioner is hereby authorized to:</b>  <input type="checkbox"/> Charge the indicated fees to the below mentioned deposit account.  <input checked="" type="checkbox"/> Charge any additional fee required under 37 CFR 1.16 - 1.21 or credit any over payments to the below mentioned deposit account.†  <input checked="" type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27  Deposit Account Number: 19-2555 Deposit Account Name: FENWICK & WEST LLP  A Duplicate Copy of this authorization is attached  <b>2. <input checked="" type="checkbox"/> Payment Enclosed:</b> <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Other	<b>3. ADDITIONAL FEES</b> <table style="width:100%"> <thead> <tr> <th>Large Entity Fee Code/Fee</th> <th>Small Entity Fee Code/Fee</th> <th>Fee Description</th> <th>Fee Due</th> </tr> </thead> <tbody> <tr><td>105/\$130</td><td>205/\$65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127/\$50</td><td>227/\$25</td><td>Surcharge-late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>147/\$2,520</td><td>147/\$2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>115/\$110</td><td>215/\$55</td><td>Extension for response within first month†</td><td></td></tr> <tr><td>116/\$400</td><td>216/\$200</td><td>Extension for response within second month†</td><td></td></tr> <tr><td>117/\$920</td><td>217/\$460</td><td>Extension for response within third month†</td><td></td></tr> <tr><td>118/\$1,440</td><td>218/\$720</td><td>Extension for response within fourth month†</td><td></td></tr> <tr><td>128/\$1,960</td><td>228/\$980</td><td>Extension for response within fifth month†</td><td></td></tr> <tr><td>119/\$320</td><td>219/\$160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>141/\$1,280</td><td>241/\$640</td><td>Petition to revive unintentionally abandoned application</td><td></td></tr> <tr><td>142/\$1,280</td><td>242/\$640</td><td>Utility Issue Fee (Or Reissue)</td><td></td></tr> <tr><td>143/\$460</td><td>243/\$230</td><td>Design Issue Fee</td><td></td></tr> <tr><td>122/\$130</td><td>122/\$130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>126/\$180</td><td>126/\$180</td><td>Submission of Information Disclosure Statement</td><td></td></tr> <tr><td>179/\$740</td><td>279/\$370</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>581/\$40</td><td>581/\$40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146/\$740</td><td>246/\$370</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149/\$740</td><td>249/\$370</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td colspan="2"></td><td>Other fee (specify):</td><td></td></tr> <tr><td colspan="2"></td><td>Other fee (specify):</td><td></td></tr> <tr> <td colspan="2"></td> <td style="text-align: right;"><b>SUBTOTAL (3)</b></td> <td><b>(\$ 0)</b></td> </tr> </tbody> </table>	Large Entity Fee Code/Fee	Small Entity Fee Code/Fee	Fee Description	Fee Due	105/\$130	205/\$65	Surcharge - late filing fee or oath		127/\$50	227/\$25	Surcharge-late provisional filing fee or cover sheet		147/\$2,520	147/\$2,520	For filing a request for reexamination		115/\$110	215/\$55	Extension for response within first month†		116/\$400	216/\$200	Extension for response within second month†		117/\$920	217/\$460	Extension for response within third month†		118/\$1,440	218/\$720	Extension for response within fourth month†		128/\$1,960	228/\$980	Extension for response within fifth month†		119/\$320	219/\$160	Notice of Appeal		141/\$1,280	241/\$640	Petition to revive unintentionally abandoned application		142/\$1,280	242/\$640	Utility Issue Fee (Or Reissue)		143/\$460	243/\$230	Design Issue Fee		122/\$130	122/\$130	Petitions to the Commissioner		126/\$180	126/\$180	Submission of Information Disclosure Statement		179/\$740	279/\$370	Request for Continued Examination (RCE)		581/\$40	581/\$40	Recording each patent assignment per property (times number of properties)		146/\$740	246/\$370	Filing a submission after final rejection (37 CFR 1.129(a))		149/\$740	249/\$370	For each additional invention to be examined (37 CFR 1.129(b))				Other fee (specify):				Other fee (specify):				<b>SUBTOTAL (3)</b>	<b>(\$ 0)</b>
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\* Subtract the greater number of Col. 2

\*\* If the difference between Col. 1 and Col. 2 is less than zero, then enter "0" in Col. 3

<b>SUBMITTED BY</b>		<b>Complete (if applicable)</b>	
Typed or Printed Name	Ne E. Maloney	Reg. Number	42,833
Signature		Date	December 28, 2001

† Request for Extension of Time per 37 CFR 1.136 (a)(3) made hereby